Set	Items	Description
S1	25818	(SEVERAL OR PLURAL? OR MANY OR MULTI OR MULTIPLE)(3N)(COLO-R? OR COLOUR?)
S2	11990	S1 AND (IMAGE?? OR PICTURE?? OR GRAPHIC?)
S3	24649	(SINGLE OR ONE)(3N)(COLOR? OR COLOUR?)
S4	27744	BLACK AND WHITE
S5	7166	S1 AND (TRANSFORM? OR CONVERT? OR CONVERS? OR ADJUST? OR A-LTER? OR MODIF? OR CHANG?)
S6	733	SCREEN?(3N)TOOL?
S7	205	TEXTURE AND (HUE OR SATURATION)
S8	34	(CORRESPOND? OR MATCH? OR REPRESENT?) AND S7
S9	1146	S1 AND SPACE
S10	46	WEIGH?(3N)BLEND? AND SCREEN?
S11	2647	AU=(LIN, Y? OR SHIAU, J? OR LIN Y? OR SHIAU J?)
S12	65	(FAX OR FACSIMILE) AND NATURAL(3N)(COLOR? OR COLOUR?)
S13	808871	IC=H04N?
S14	1246	S5 AND (S3 OR S4)
S15	1	S14 AND S6
S16	1	S14 AND S7
S17	1	S16 NOT S15
S18	91	S14 AND SPACE??
S19	0	S18 AND S10
S20	49	S18 AND S13
S21	0	S20 AND WEIGH? AND SCREEN?
S22	8	S20 AND (WEIGH? OR SCREEN?)
S23	8	S22 NOT (S16 OR S15)
S24	2	S23 AND AD=20001030:20040617/PR
S25	6	S23 NOT S24
S26	6	IDPAT (sorted in duplicate/non-duplicate order)
S27	6	IDPAT (primary/non-duplicate records only)
S28	1	S12 AND S5
S29	1	S28 NOT (S22 OR S16 OR S15)
S30	0	S12 AND (S6 OR S7 OR S10)
S31	0	S11 AND S14
S32	1	S11 AND S9
S33	1	S32 NOT (S28 OR S22 OR S16 OR S15)

015681699   **Image available**
WPI Acc No: 2003-743888/200370
XRAM Acc No: C03-204269
XRPX Acc No: N03-595728
  **Genome-wide testing of gene copy number at genetically important loci
  comprises selecting multiple gene loci of DNAs, conducting test and
  comparing number of copies at each locus tested**
Patent Assignee: LEBO R V (LEBO-I); MILUNSKY A (MILU-I); WYANDT H E
  (WYAN-I)
Inventor: LEBO R V; MILUNSKY A; WYANDT H E
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030082606	A1	20030501	US 2001317007	P	20010904	200370	B
			US 2002236168	A	20020904		

Priority Applications (No Type Date): US 2001317007 P 20010904; US
  2002236168 A 20020904
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030082606	A1		14	C12Q-001/68	Provisional application US 2001317007

Abstract (Basic):
...   are common, that are not screened in other populations. M1
    provides the most optimal genetic **screening tool** for fetuses,
    newborns, expecting parents and aging patients undergoing routine
    physical examinations in order to...
Technology Focus:
...   The method of testing genetic disease loci in order to maximize
    the likelihood that an **alteration** in gene copy number predicts
    phenotypic abnormality and not a normal individual polymorphic
    variability and if evidence is gained for aneuploidy existence then the
    test design is **modified** in selected loci. The method provides for
    substitution of genes in the same chromosome that...

...abnormality, when a single gene copy is lost or gained. The specific
    genes tested are **modified** in number or gene sequence which result in
    shortening the cell cycle leading to rapid cell growth and
    proliferation reflecting neoplastic **transformations** . These specific
    genes are tested along with other genome-wide aneuploid screening. Any
    DNA analysis...

...other loci. Comparative genomic hybridization is used to compare a known
    control sample labeled with **one color** to an unknown test sample
    labeled with another color. The fusion of two or more...

...test. Multiple controls and multiple measurements on the same unknown
    sample are done simultaneously using **multiple colors** and therefore
    multiple tests are completed on the same locus simultaneously in
    multiple independent containers or on multiple...

...deletion or duplication simultaneously with other selected genome-wide
    loci. The specific genes tested are **modified** in number or gene
    sequence which results in shortening the cell cycle, leading to more
    rapid cell growth and proliferation reflecting neoplastic
    transformations . Specific gene translocations which decrease cell
    cycle time are tested along with genome-wide aneuploid...

ABSTRACT

PURPOSE: To automate the designation of **many   colors** with less amount of
information by using a color data as a read address at each picture area of
a color picture and reading and outputting a **texture** designation data and
a **hue** data...

... selection circuit 15. The original picture data stored in the 1st frame
memory 41 is **converted** into a **white / black** picture data by an RGB/Y
converter 68 and stored also to the 4th frame memory 44. The color
processing of the...
?

27/3,K/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009692351   **Image available**
WPI Acc No: 1993-385905/199348
Related WPI Acc No: 1992-133886; 1993-359959; 1994-199704; 1997-042490
XRPX Acc No: N93-298082
   Screen **system for connection with reproduction of halftone images in
   multicolour print - uses algorithm based on direct** modification of X
   and Y frequency components of halftone dot patterns to allow independent
   adjustment **of row and column directions.**
Patent Assignee: MINNESOTA MINING & MFG CO (MINN)
Inventor: RYLANDER R L
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind Date   Week
US 5264926   A   19931123 US 90582524   A   19900914 199348 B
                             US 91640024   A   19910111
                             US 9322747   A   19930219

Priority Applications (No Type Date): US 91640024 A 19910111; US 90582524 A
   19900914; US 9322747 A 19930219
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 5264926   A   16 H04N-001/46   CIP of application US 90582524
                                       Cont of application US 91640024
   Screen **system for connection with reproduction of halftone images in
   multicolour print...**

   ...**uses algorithm based on direct** modification **of X and Y frequency
   components of halftone dot patterns to allow independent** adjustment of
   row and column directions.

   ...Abstract (Basic): The **screen** system has at least two partial **screens**
      . Each partial **screen** corresponds to **one** printing **colour** , and the
      screens are angularly **spaced** apart from each other. Each partial
      screen is defined by an addressable raster grid defined by columns and
      rows of dots, which...

   ...defined by clusters of points. The dots define printing dots for tone
      values of the **multi - colour** print...

   ......At least one fo the partial **screens** has columns and rows that are
      geometrically orthogonal but in which the row to row
Title Terms: **SCREEN ;**
International Patent Class (Main): **H04N-001/46**

27/3,K/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009658479   **Image available**
WPI Acc No: 1993-352031/199344
Related WPI Acc No: 1994-248601
XRPX Acc No: N93-271536
   **Colour imaging system for use with medical scanner - has camera receiving
   colour component image signals from scanner and recording them as
   mutually** spaced **images on monochromatic film**

Patent Assignee: OPTON CORP (OPTO-N)
Inventor: SABLE A J
Number of Countries: 018   Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9321726	A1	19931028	WO 93US3410	A	19930409	199344	B
US 5294993	A	19940315	US 92866741	A	19920410	199411	

Priority Applications (No Type Date): US 92866741 A 19920410
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9321726	A1	E	101	H04N-001/46	

Designated States (National): JP
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

US 5294993	A		37	G03F-003/00	

...   **has camera receiving colour component image signals from scanner and recording them as mutually** spaced **images on monochromatic film**

...Abstract (Basic): a scanner (10), representing different monochromatic colour components of a subject. The camera forms mutually **spaced** images (18,20,22) representative of the respective colour components onto monochromatic film (16...

...30). The viewing system uses lights of different spectral content to project the respective mutually **spaced** monochromatic images onto a viewing **screen** in superimposition. The superimposed images combine to form a **multi - colour** image of the subject...

...Abstract (Equivalent): The film sheet with its three **black** -and- **white** images is viewed on the **screen** of a viewer having three lenses positioned to project light of three different colours in...

...monochromatic record images and to project three image components in mutual superposition on the viewer **screen** . The three different colour image components on the viewer **screen** are precisely positioned so that there is no visibly discernible misregistration...

...formed on the sheet film with a predetermined maximum misregistration or the viewing system is **adjusted** to accomplish such maximum misregistration on the viewer **screen** .

...Title Terms: **SPACE ;**
...International Patent Class (Main): **H04N-001/46**

 27/3,K/3   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

008946630   **Image available**
WPI Acc No: 1992-073899/199210
XRPX Acc No: N92-055587
   Colour to black -and- white **image mapping method - applying each colour component to its own halftone** screen **, all of which are combined**
Patent Assignee: XEROX CORP (XERO)
Inventor: HARRINGTON S J
Number of Countries: 005   Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 473433	A	19920304	EP 91307920	A	19910829	199210	B

Colour to black -and- white **image mapping method...**

...applying each colour component to its own halftone screen , **all of which are combined**

...Abstract (Basic): pixel-by-pixel basis. Each of the colour components is applied to its own halftone **screen ,** each halftone **screen** comprising a number of cells. Certain cell areas of each halftone **screen** are allocated to a **single colour** component to yield corresp. texture patterns, in accordance with the location of the allocated cell...

...The halftone **screens** of the colour components are combined to yield a **black** -and- **white** textured image...

...USE/ADVANTAGE - Maps colour images to **black** -and- **white** textured images in manner yielding areas in which texture **changes** smoothly. Textured images are useful in both pictorial images and presentation graphics images. (12pp Dwg...

...Abstract (Equivalent): A method of mapping an image comprising a **plurality** of pixels from **colour** to **black** -and- **white ,** the method comprising the steps of: on a pixel-by-pixel basis, determining the amount of each of a **plurality** of **colour** components in a colour image; applying each of the **plurality** of **colour** components to its own halftone **screen ,** each halftone **screen** comprising a plurality of cells; allocating certain cell areas of each halftone **screen** to a **single colour** component to yield corresponding texture patterns, in accordance with the location of the allocated cell areas; and combining the halftone **screens** of the colour components to yield a **black** -and- **white** textured image...

...Abstract (Equivalent): Mapping an image comprises of a number of pixels from colour to **black** -and- **white** includes determining, on a pixel-by-pixel basis, the amount of colour components in a colour image. Each colour component is applied to its own halftone **screen ,** each **screen** being comprised of multiple cells...

...Certain cells areas of each **screen** are allocated to a **single colour** component to yield texture patterns. The halftone **screens** of the colour components are combined to yield a **black** -and- **white** textured image...

...USE/ADVANTAGE - Texture patterns vary smoothly over colour **space** .
   Reserves luminence information. Pictorial and graphics presentation
   images...
...Title Terms: **BLACK** ;
...International Patent Class (Main): **H04N-001/40** ...

... **H04N-001/46**
...International Patent Class (Additional): **H04N-001/405** ...

... **H04N-001/60** ...

... **H04N-009/79**

 27/3,K/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

008915974   **Image available**
WPI Acc No: 1992-043243/199206
XRPX Acc No: N92-033269
   Pseudo half-tone colour image processing - converts **luminosity and hue**
   colour coordinate data into representation colours and corrects any
   errors generated
Patent Assignee: CANON KK (CANO)
Inventor: TANIOKA H
Number of Countries: 006 Number of Patents: 012
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 469896	A	19920205	EP 91307039	A	19910731	199206	B
JP 4090670	A	19920324	JP 90206602	A	19900803	199226	
JP 4090671	A	19920324	JP 90206604	A	19900803	199226	
JP 4090672	A	19920324	JP 90206605	A	19900803	199226	
JP 4342371	A	19921127	JP 91114302	A	19910520	199302	
EP 469896	A3	19930120	EP 91307039	A	19910731	199346	
US 5270808	A	19931214	US 91739992	A	19910802	199350	
			US 92945577	A	19920916		
			US 9324869	A	19930301		
EP 469896	B1	19961218	EP 91307039	A	19910731	199704	
DE 69123657	E	19970130	DE 623657	A	19910731	199710	
			EP 91307039	A	19910731		
JP 3048170	B2	20000605	JP 90206602	A	19900803	200032	
JP 3048171	B2	20000605	JP 90206604	A	19900803	200032	
JP 3150994	B2	20010326	JP 91114302	A	19910520	200126	

Priority Applications (No Type Date): JP 91114302 A 19910520; JP 90206602 A
  19900803; JP 90206604 A 19900803; JP 90206605 A 19900803
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 469896	A				
Designated States (Regional): DE FR GB IT					
JP 4090670	A		7	H04N-001/40	
JP 4090671	A		8	H04N-001/40	
JP 4090672	A		7	H04N-001/40	
JP 4342371	A		7	H04N-001/40	
US 5270808	A		33	H04N-001/46	Cont of application US 91739992
					Cont of application US 92945577
EP 469896	B1	E	42	H04N-001/46	
Designated States (Regional): DE FR GB IT					
DE 69123657	E			H04N-001/46	Based on patent EP 469896

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JP 3048170    B2    7 H04N-001/46    Previous Publ. patent JP 4090670
JP 3048171    B2    9 H04N-001/46    Previous Publ. patent JP 4090671
JP 3150994    B2    7 H04N-001/46    Previous Publ. patent JP 4342371
```

...   converts **luminosity and hue colour coordinate data into representation colours and corrects any errors generated**

...Abstract (Basic): in the recording or display, in the form of the coordinate data. A process circuit **converts** the coordinate data entered by the first input into **one** of the representation **colour** of N kinds. A correction circuit corrects an error generated at this **conversion** .

...

...Reproduces hues faithful to input colour by pseudo halftone processing of input data in colour **space** represented by luminosity and hue. Produces image of increased quality by correcting errors generated at **conversion** to colour of representation

...Abstract (Equivalent): 5) for inputting in pixel form color coordinate data of a color image and color **conversion** means (6) for **converting** the input color coordinate data into color data suitable for output to reproduction means, characterised in that said color **conversion** means (6) further comprises, calculation means (61, 62) for calculating the distance between a colon location in a color **space** represented by the input color coordinate data of a pixel and a color location in the same color **space** determined by a **weighted** average of the **color** coordinates of a **plurality** of pixels adjacent to said pixel and the color data, and selection means (62) for...

...data having the color location closest to the color location of the pixel for color **conversion** .
(

...Abstract (Equivalent): The digitisation error generated upon digitisation is distributed to the succeeding pixels with **weighted** ratios. A colour image reading unit (1), using a CCD, **converts** the reflected light from an original image into electrical signals **converted** by an a-d **converter** (2...

...Title Terms: **CONVERT** ;
International Patent Class (Main): **H04N-001/40** ...

... **H04N-001/46**
...International Patent Class (Additional): **H04N-001/405** ...

... **H04N-001/52**

27/3,K/5   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

008474667   **Image available**
WPI Acc No: 1990-361667/199048
Related WPI Acc No: 1989-220705
XRPX Acc No: N90-275950
  Contrast enhancing absorption filter for LCD - has randomly disposed light absorptive areas dyed with primary colours which correspond to emitting elements of display device
Patent Assignee: HONEYWELL INC (HONE)
Inventor: SCHOTT D J
Number of Countries: 016 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9013906	A	19901115				199048	B
EP 471007	A	19920219	EP 90907670	A	19900426	199208	
US 5121030	A	19920609	US 89347107	A	19890503	199226	
JP 4504924	W	19920827	JP 90507514	A	19900426	199241	
			WO 90US2248	A	19900426		
EP 471007	A4	19920318	EP 90907670	A	19900000	199521	
EP 471007	B1	19950830	EP 90907670	A	19900426	199539	
			WO 90US2248	A	19900426		
DE 69022048	E	19951005	DE 622048	A	19900426	199545	
			EP 90907670	A	19900426		
			WO 90US2248	A	19900426		

Priority Applications (No Type Date): US 89347107 A 19890503
Patent Details:

Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9013906   A
    Designated States (National): CA JP KR
    Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL SE
EP 471007   A
    Designated States (Regional): DE FR GB
US 5121030   A   10 H04N-005/72
JP 4504924   W   7 H01J-029/10   Based on patent WO 9013906
EP 471007   B1 E   15 H01J-029/10   Based on patent WO 9013906
    Designated States (Regional): DE FR GB
DE 69022048   E   H01J-029/10   Based on patent EP 471007
                                       Based on patent WO 9013906

...Abstract (Basic): filter may be bonded to the faceplate (18) by a
    transparent adhesive layer (32) or, **alternatively** , can be heat bonded
    in a furnace...
...Abstract (Equivalent): a plurality of areas (42) of a predetermined
    colour transmissibility disposed on said substrate and **spaced** there
    between, each of said areas selectively dyed to transmit a narrow band
    colour spectrum corresponding to at least **one** said predetermined
    primary **colour** wavelength of said discrete elements, and
    substantially to absorb colour wavelengths other than said **one**
    primary **colour** wavelength, said areas (42) patterned to overlay ones
    of said discrete elements (46), a plurality of areas comprising at
    least **one** primary **colour** wavelength overlaying each of said
    discrete elements, characterised in that, said plurality of said areas
    ...
...Abstract (Equivalent): a primary colour corresponding to the colour dots
    of hte CRT display face and a **plurality** of such **colour** areas
    randomly disposed over each colour dot. Since the absorption areas are
    specially independent each...

...tubes of the shadow mask type. The filter is suitable for any light
    responsive display **screen** , also including liquid crystal elements...
...International Patent Class (Main): **H04N-005/72**

 27/3,K/6   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008352220   **Image available**
WPI Acc No: 1990-239221/199031
XRPX Acc No: N90-185508

Column monitor for displaying correct hard copy colours - uses VDU and computer look up so that colours are those of hard copy

Patent Assignee: EASTMAN KODAK CO (EAST)
Inventor: ALESSI P J; FAUL W H; GIORGIANNI E J; KOOP D A; MADDEN T E
Number of Countries: 008   Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9007837	A	19900712				199031	B
US 4958220	A	19900918	US 88290676	A	19881227	199040	
EP 401365	A	19901212	EP 90901946	A	19891221	199050	
JP 3503112	W	19910711				199134	
EP 401365	B1	19950308	WO 89US5691	A	19891221	199514	
			EP 90901946	A	19891221		
DE 68921614	E	19950413	DE 621614	A	19891221	199520	
			WO 89US5691	A	19891221		
			EP 90901946	A	19891221		

Priority Applications (No Type Date): US 88290676 A 19881227
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9007837   A
   Designated States (Regional): AT BE CH DE
EP 401365   A
   Designated States (Regional): DE FR GB
EP 401365   B1 E 12 H04N-001/46   Based on patent WO 9007837
   Designated States (Regional): DE FR GB
DE 68921614   E   H04N-001/46   Based on patent EP 401365
                                       Based on patent WO 9007837

...Abstract (Basic): The reproduction system is **one** in which a **colour** picture is produced on a video monitor and hard copy, such as paper prints can...

...will be produced by a specific hard copy are displayed on the monitor and are **adjusted** to be correct. A computer-based work station performs the **adjustment** and it has a set of look-up tables which give the difference in the...

...the hard copy, so that the same colour is reproduced as it appears on the **screen** . The operator simply **adjusts** the colour on the **screen0** to be as required...

...ADVANTAGE - Eliminates variations between **screen** display and hard d...

...Abstract (Equivalent): to produce a second set of signals corresponding to a reproduced image relating to a **modification** of the original image, characterised by said apparatus including an output film writer (22), said...

...receptive output media types, and said control means (16,20) including a set of input **transformations** (30,32,34) for **transforming** image data from a **plurality** of different **colour** film types to a device independent colour **space** (36), a set of video **transformations** (40,42,44,46,48,50,52) for **transforming** the image data in the device independent colour **space** to video signals that will show how an image would appear if it were to...

...one of the different image receptive output media types, and a set of film writer **transformations** (60,62,64,66) for **transforming** the image data in the device independent colour **space** to signals for driving the output film writer (22...

...Abstract (Equivalent): A computer-based work station, having a series of
    look-up tables for **transforming** imaging data to a variety of
    monitor-dependent RGB colour **spaces** , enables the video monitor to
    show a series of displays of the reproduced image with...
...International Patent Class (Additional): **H04N-001/46**
?

29/3,K/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03831575   **Image available**
COLOR ESTIMATE METHOD

...JAPIO CLASS: **Facsimile**); 44.6 (COMMUNICATION

ABSTRACT
PURPOSE: To obtain **natural   color** reproduction by using a color
representing system obtained with respect to each combination of **plural**
 sets of output **color** decomposition picture information so as to obtain
the combination of the output color decomposition picture information to
obtain a same value as the representing color system **converted** with
respect to an optional combination of input color decomposition picture
information...

...system or an L*a*b* representing color system is used and the L* is
 converted among the representing color obtained with respect to each
combination of input color decomposition picture...

... input side color cube is compressed and mapped. In relation to the
saturation direction, no **conversion** is implemented in the middle at a
part where the color reproduction range of the...

...color cube and the output side color cube and u*, v* or a*, b* is
 converted in response to the spread of the saturation of the two color
cubes at the...

... the input side is set within the color reproduction range of the output
side and **natural   color** reproduction is attained.
?

07335874 **Image available**
IMAGE DISPLAY METHOD AND IMAGE PROCESSOR

PUB. NO.: 2002-204363 [JP 2002204363 A]
PUBLISHED: July 19, 2002 (20020719)
INVENTOR(s): **LIN YING-WEI**
SHIAU JENG-NAN
APPLICANT(s): XEROX CORP
APPL. NO.: 2001-295209 [JP 2001295209]
FILED: September 27, 2001 (20010927)
PRIORITY: 00 699820 [US 2000699820], US (United States of America),
October 30, 2000 (20001030)

INVENTOR(s): **LIN YING-WEI**
SHIAU JENG-NAN

ABSTRACT

PROBLEM TO BE SOLVED: To produce a version with a single **colorant** out of a **multi color** image in a manner of storing color information existing in the image as much as possible.
SOLUTION: In an image display method, proper texture patterns are produced to each **color** in the **multi color** image by using a continuously variable screening tool, the tool is produced by a mixture...

... reference screens, the reference screens correspond to, for example, selected reference colors in a color **space** not depending on a machine. A calculated screen is produced by mixture with weighting the reference screens placed nearby any color in the color **space** not depending on the machine, and the calculated screen is composed of arrays of thresholds...
?